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Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in this application.

1. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a crown

above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and four crown corners, each of the four crown side sides and four corners eorner having a length

along the girdle, each of said four corner length lengths being substantially less than each of said

four side length lengths, said crown also comprising at least two steps, including a first step from

the girdle to a crown break, and a second step from the crown break to a table break, said crown

break defined by lines parallel with said girdle, said crown also having a substantially flat table,

said table having one facet having four sides and four corners defined by lines parallel with said

girdle, each of said four table corner length lengths being substantially less than each of said four

table side length lengths,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line, said

pavilion also comprising two pairs of opposing pavilion sides and four pavilion corners defined

by eight rib lines extending from the girdle to the culet, wherein each rib line extends in a

substantially straight line when viewed from the bottom of the pavilion.

2. (Original) The gemstone according to claim 1, wherein the rib lines extend

substantially continuously from the girdle to the culet.

3. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a crown

above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and four crown corners, each of the four crown side sides and corner four corners having a length

along the girdle, each of said four corner length lengths being substantially less than each of said

four side length lengths, said crown also comprising at least two steps, including a first step from

the girdle to a crown break, and a second step from the crown break to a table break, said crown

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break defined by lines parallel with said girdle, said crown also having a substantially flat table,

said table having one facet having four sides and four corners defined by lines parallel with said

girdle,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line said

pavilion also comprising two pairs of opposing pavilion sides and four pavilion corners defined

by eight rib lines extending from the girdle to the culet, wherein each rib line extends in a

substantially straight line when viewed from the bottom of the pavilion,

wherein the pavilion sides and corners each comprise a plurality of facets.

4. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a crown

above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and four crown corners, each crown side and corner having a length along the girdle, said corner

length being substantially less than said side length, said crown also comprising at least two

steps, including a first step from the girdle to a crown break, and a second step from the crown

break to a table break, said crown break defined by lines parallel with said girdle, said crown also

having a substantially flat table, said table having one facet having four sides and four corners

defined by lines parallel with said girdle,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line said

pavilion also comprising two pairs of opposing pavilion sides and four pavilion corners defined

by distinct eight rib lines extending from the girdle to the culet, wherein each rib line extends in a

substantially straight line when viewed from the bottom of the pavilion, wherein each pavilion

side has only two facets along each rib line.

5. (Original) A cut cornered mixed cut gemstone, comprising a girdle, a crown above said

girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and four crown corners, each crown side and corner having a length along the girdle, said corner

length being substantially less than said side length, said crown also comprising at least two

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steps, including a first step from the girdle to a crown break, and a second step from the crown

break to a table break, said crown also having a substantially flat table,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said pavilion also comprising two pairs of opposing pavilion sides and

four pavilion corners defined by eight rib lines extending from the girdle to the culet, wherein

each pavilion corner has only two facets along each rib line.

6. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a crown

above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and a flat table, said table having four sides and four cut corners, said table sides being

substantially parallel with the girdle, said table corners being substantially less in length than said

corners,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line said

pavilion also comprising two pairs of opposing pavilion sides and four corners defined by distinct

rib lines extending from the girdle to the cutlet, said rib lines extending in a straight line from the

girdle to the cutlet when viewed from the bottom of the pavilion, wherein each pavilion side

comprises at least three facets each having a facet corner intersecting at a common facet

intersection point.

7. (Currently amended) A cut cornered mixed cut gemstone comprising a girdle, a crown

above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and a substantially flat table, said table having four sides and four cut corners, said table sides

being substantially parallel with the girdle, said table corners being substantially less in length

than said table sides,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line, said

pavilion also comprising two pairs of opposing pavilion sides defined by distinct rib lines

extending from the girdle to the culet, said rib lines extending in a straight line from the girdle to

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the culet when viewed from the bottom of the pavilion, wherein each pavilion side comprises a

plurality of facets each having a facet corner intersecting at a common facet intersection point,

wherein the plurality of facets on each pavilion side is at least four.

8. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a crown

above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and a substantially flat table, said table having four sides and four cut corners, said table corners

being substantially less in length than said table sides,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line, said

pavilion also comprising two pairs of opposing pavilion sides defined by distinct rib lines

extending from the girdle to the culet and two pairs of opposing pavilion corners, wherein each

pavilion side and corner comprises a plurality of facets, and wherein each pavilion side and

corner has only two facets along each rib line.

9. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle defined

by girdle lines, a crown above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and four crown corners, wherein each crown side intersects with its adjacent corners at about the

same angle of intersection, said crown also comprising at least two steps, including a first step

from the girdle to a crown break, and a second step from the crown break to a table break, said

crown also having a flat table, said table having one facet having four sides and four corners

defined by lines parallel to said girdle lines, and wherein all of the steps in each side of the crown

have the same facet corner angles as all of the other steps in each crown side, wherein said

corners are substantially shorter than said sides

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line, said

pavilion also comprising two pairs of opposing pavilion sides and four pavilion corners defined

by eight distinct rib lines extending from the girdle entirely to the culet, said pavilion sides and

corners extending entirely to the cutlet.

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10. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle defined

by girdle lines, a crown above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides,

four crown corners, said crown also comprising at least two steps, including a first step from the

girdle to a crown break, and a second step from the crown break to a table break, each crown

corner having a facet defined by a facet line common with a girdle line, said crown also having a

substantially flat table, said table having four sides and four cut corners, said table corners being

substantially less in length than said table sides,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line, said

pavilion also comprising two pairs of opposing pavilion sides and four pavilion corners defined

by eight distinct rib lines extending from the girdle to the culet, wherein facet intersection lines in

the pavilion define where two facets have a common side, said pavilion being devoid of any facet

intersection lines parallel with the girdle.

11. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a

crown above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and a substantially flat table, said table having four sides and four cut corners, all of said sides

being substantially longer than said corners, said table corners being substantially less in length

than said table sides,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line, said

pavilion also comprising two pairs of opposing pavilion sides and four corners defined by distinct

rib lines extending from the girdle to the culet, wherein each pavilion side and corner comprises a

plurality of facets each having a facet corner intersecting at a common facet intersection point

inwardly of said rib lines, and wherein each pavilion side and corner has a facet with a facet

corner at the culet.

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12. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a crown above said girdle and a pavilion below said girdle.

said crown comprising a width and length formed by two pairs of opposing crown sides and a substantially flat table_having four sides and four cut corners, <u>all of said sides being</u> substantially longer than said corners,

said pavilion having a bottom and comprising a substantially centrally located culet at the bottom of the pavilion, said culet being one of a point, a facet and a single small line, said pavilion also comprising two pairs of opposing pavilion sides and four corners defined by distinct rib lines extending from the girdle to the culet, wherein each rib line extends in a substantially straight line when viewed from the bottom of the pavilion, wherein each pavilion corner has a plurality of facts, and wherein each pavilion side comprises a plurality of facets each and every one of said plurality having a facet corner intersecting at a common facet intersection point, wherein one of the facets in the pavilion side is a girdle star facet extending downwardly from the girdle, which girdle star facet has only three sides.

13. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a crown above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides and a substantially flat table having four sides and four corners, said table corners being substantially less in length than said table sides,

said pavilion having a bottom and comprising a substantially centrally located culet at the bottom of the pavilion, said culet being one of a point, a facet and a single small line, said pavilion also comprising two pairs of opposing pavilion sides and four corners defined by distinct rib lines extending from the girdle to the culet, wherein each pavilion corner has a plurality of facets, wherein each pavilion side comprises a plurality of facets each having a facet corner intersecting at a common facet intersection point not on any rib line and each pavilion facet having no more than four sides, and wherein each pavilion side has a facet with a facet corner at the culet.

14. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a crown above said girdle and a pavilion below said girdle,

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said crown comprising a width and length formed by two pairs of opposing crown sides

and a substantially flat table, said table having four sides and four cut corners, said table corners

being substantially less in length than said table sides,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line, said

pavilion also comprising two pairs of opposing pavilion sides and four pavilion corners defined

by eight distinct rib lines extending in a straight line from the girdle to the culet when viewed

from the bottom of the pavilion, wherein each pavilion side and corner comprises a plurality of

facets, and wherein each pavilion side and corner has only two facets along each rib line, and one

facet along the girdle.

15. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a

crown above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and four crown corners, each crown side and corner having a length along the girdle, each of said

corner length lengths being substantially less than each of said side length lengths, said crown

also comprising at least two steps, including a first step from the girdle to a crown break, and a

second step from the crown break to a table break, said crown also having a substantially flat

table, said table having one facet having four sides and four corners defined by lines parallel with

said girdle, said table corners being substantially less in length than said table sides,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line, said

pavilion also comprising two pairs of opposing pavilion sides and four pavilion corners defined

by eight distinct rib lines extending from the girdle to the culet, said pavilion sides and corners

extending entirely to the culet.

16. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a

crown above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and four crown corners, each crown side and corner having a length along the girdle, each of said

corner length lengths being substantially less than each of said side length lengths, said crown

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also comprising at least two steps, including a first step from the girdle to a crown break, and a

second step from the crown break to a table break, said crown also having a substantially flat

table, said table having one facet having four sides and four corners defined by lines parallel with

said girdle, said table corners being substantially less than said table sides,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line, said

pavilion also comprising two pairs of opposing pavilion sides and four pavilion corners defined

by eight rib lines extending from the girdle to the culet, said pavilion sides and corners extending

entirely to the culet, wherein each pavilion corner has only two facets along each rib line.

17. (Previously presented) the gemstone according to claim 6, wherein each pavilion

side has four facets each having a facet corner intersecting at a common intersection point.

18. (Previously presented) the gemstone according to claim 7, wherein the number of

facets on each pavilion corner is at least four.

19. (Previously presented) the gemstone according to claim 13, wherein the common

facet intersection point is about ¾ of the way from the culet to the girdle.

20. (Previously presented) the gemstone according to claim 13, wherein the facet in

each pavilion side, which has a facet corner at the culet, has four sides.

21. (Currently amended) A cut cornered mixed cut gemstone, comprising a girdle, a

crown above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and four crown corners, each of the four crown side sides and four corners corner having a length

along the girdle, each of said four corner length lengths being substantially less than each of said

four side length lengths, said crown also comprising at least two steps, including a first step from

the girdle to a crown break, and a second step from the crown break to a table break, said crown

break defined by lines parallel with said girdle, said crown also having a flat table, said table

having one facet having four sides and four corners defined by lines parallel with said girdle,

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wherein all of the steps in each side of the crown are defined by straight lines from the girdle to

the table.

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line, said

pavilion also comprising two pairs of opposing pavilion sides and four pavilion corners defined

by eight rib lines extending from the girdle to the culet, wherein each rib line extends in a

substantially straight line when viewed from the bottom of the pavilion.

22. (Currently Amended) A cut cornered mixed cut gemstone, comprising a girdle, a

crown above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and a substantially flat table having four sides and four corners, said table corners being

substantially less in length than said table sides,

said pavilion having a bottom and comprising a substantially centrally located culet at the

bottom of the pavilion, said culet being one of a point, a facet and a single small line, said

pavilion also comprising two pairs of opposing pavilion sides defined by distinct rib lines

extending from the girdle to the culet, wherein each pavilion side comprises a plurality of facets

each having a facet corner intersecting at a common facet intersection point and each pavilion

facet having no more than four sides, and wherein each pavilion side has a four sided facet

having a facet corner at the culet.

23. (Currently Amended) A cut cornered mixed cut gemstone, comprising a girdle, a

crown above said girdle and a pavilion below said girdle,

said crown comprising a width and length formed by two pairs of opposing crown sides

and a substantially flat table having four sides and four corners, said table corners being

substantially less in length than said table sides, said pavilion having a bottom and comprising a

substantially centrally located culet at the bottom of the pavilion, said culet being one of a point,

a facet and a single small line, said pavilion also comprising two pairs of opposing pavilion sides

and four corners defined by distinct rib lines extending from the girdle to the culet, wherein each

pavilion corner has a plurality of facets, wherein each pavilion side comprises a plurality of facets

each having a facet corner intersecting at a common facet intersection point and each pavilion

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facet having no more than four sides, and wherein each pavilion side has a facet with a facet corner at the culet, and wherein each rib line extends in a substantially straight line when viewed from the bottom of the pavilion.